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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/722,391	11/28/2003	Hye Yong Park	K-0578	7181
34610	7590	05/15/2006	EXAMINER	
FLESHNER & KIM, LLP			DAVIS, ROBERT B	
P.O. BOX 221200				
CHANTILLY, VA 20153			ART UNIT	PAPER NUMBER

1722

DATE MAILED: 05/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/722,391	<b>Applicant(s)</b> PARK ET AL.	
	<b>Examiner</b> Robert B. Davis	<b>Art Unit</b> 1722	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 March 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 6,7,9,11-14 and 18-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 6,7,9,11-14 and 18-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Response to Amendment***

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

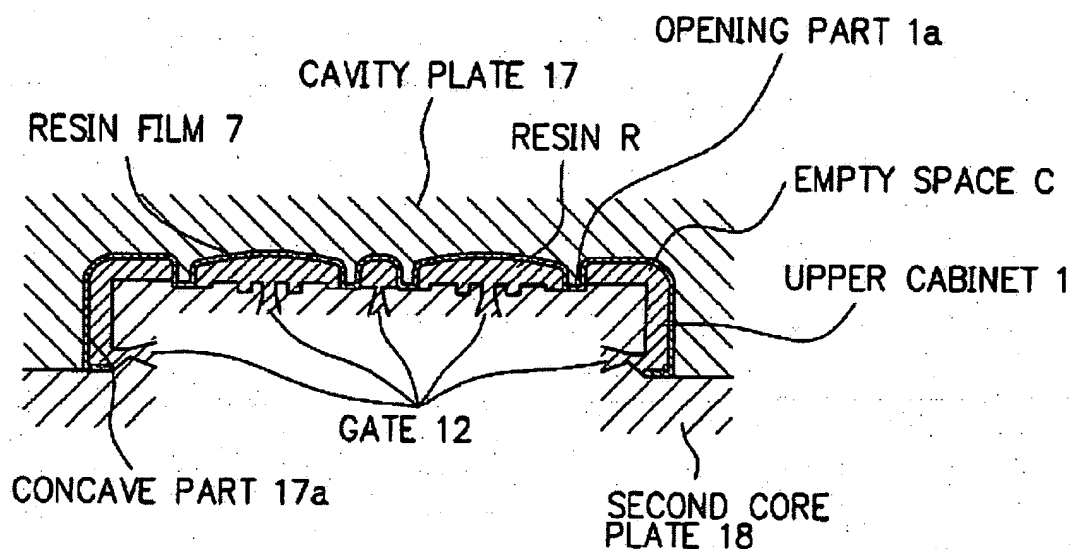
2. Claims 6, 7, 9 and 18-22 are rejected under 35 U.S.C. 102(b) as being anticipated by Lemaire et al (5,417,905: figures 14, 19a, 19b and 21a-21c; column 13, lines 13-65 and column 14, lines 8-19).

Lemaire et al teach an apparatus comprising a first mold (632) having a film (51) attached thereto wherein the first mold cavity has a recess (637) for receipt of the film (51) and a molding cavity (635) and a second mold (631) having a nozzle (634) having a gate, a protrusion (633) for clamping the second film (50) along with recess (636) in the molding cavity. The film (50) has a hole larger than the gate as shown in figures 20-21c. Applicant has amended the present claims and the films are clearly not structural elements required by the claims. The bottom of the protrusion (633) also lines in the same plane as the bottom of film (50). The protrusion (633) serves to press film (51) against the opposite mold (632) as shown in figures 21a-21c. The language in the preamble regarding the control panel is intended use and the structure of Lemaire et al is clearly capable of molding such a panel.

3. Claims 18 and 21-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Ono (2002/0005791: figure 9).

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Ono teaches an injection mold (figure 9) for forming a control panel, comprising:  
a first mold (18) having a plurality of recesses on the inner surface.



A second mold (17) having a plurality of projections to force a film (7) into the recesses on the first mold (18) when the first and second molds are closed together. A cavity (C) is formed between the first and second molds (18 and 17). The language about the molds being configured to receive respective films is intended use and the mold of Ono is capable of receiving films.

4. Claims 11-14 and 25-29 are rejected under 35 U.S.C. 102(b) as being anticipated by Oishi et al (4,752,059: figures 1, 4 and 5).

Oishi et al teach an injection mold for forming an article comprising: a first mold (2) configured to receive a film (10) on an inner surface thereof; and a second mold

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having a plurality of projections (35, 36) to clamp the film (10) against the first mold and to form a recess in the molded article. The first mold (2) has two recesses of different depths that cooperate with projections (35, 36) to form an article having a film positioned against a molded article (7). The language concerning a second film is intended use, as applicant does not recite a structural element for affixing the film to the mold surface or the film itself as a structural element. The second mold (1) has a mold gate (1a).

### ***Response to Arguments***

5. Applicant's arguments filed March 7, 2006 have been fully considered but they are not persuasive. Applicant argues that the protrusion on the upper mold surrounds the gate to introduce molding resin into the cavity; however, this aperture does not push any film located adjacent the lower mold into a recess or cavity formed on the lower mold. The examiner respectfully disagrees as Lemaire clearly teaches a projection surrounding the gate as shown in figures 21b and 21c, which clamp a sheet (51) against a recess (637). See column 14, lines 11-14. It appears that applicant is considering the cavity (635) as the only recess in the first mold (632); however, Lemaire clearly points out that the first mold (632) has a recess (637) and clearly meets the requirements of claim 18 structurally.

### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

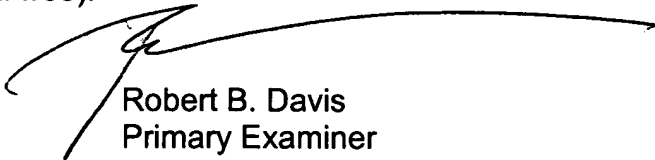
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert B. Davis whose telephone number is 571-272-1129. The examiner can normally be reached on Monday-Friday 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on 571-272-1316. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Robert B. Davis  
Primary Examiner  
Art Unit 1722

5/11/04